Figure 1 Prior Art

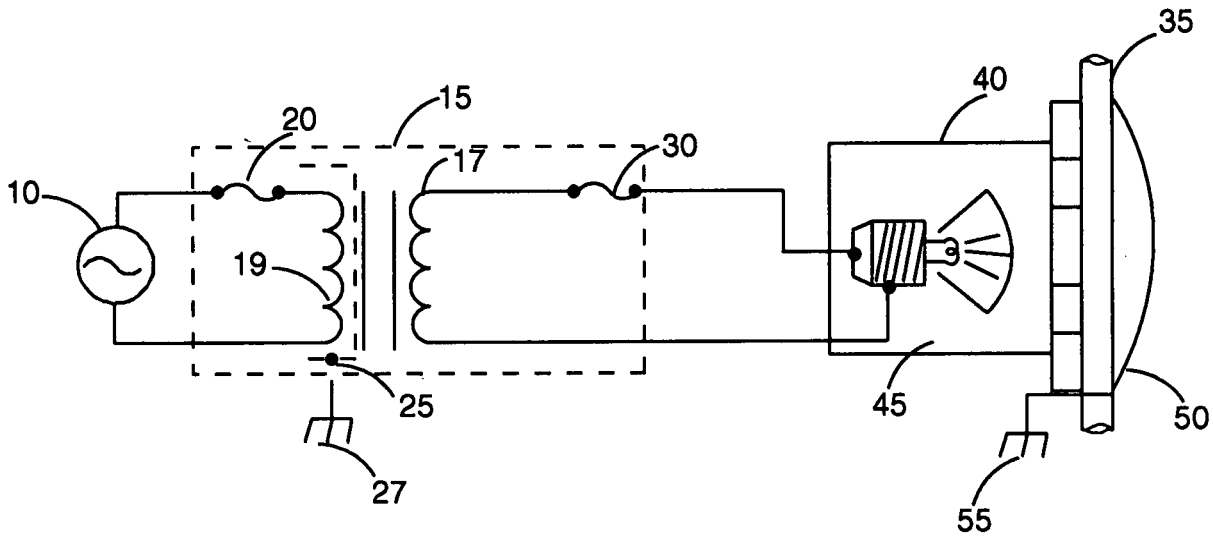


Figure 2 Prior Art

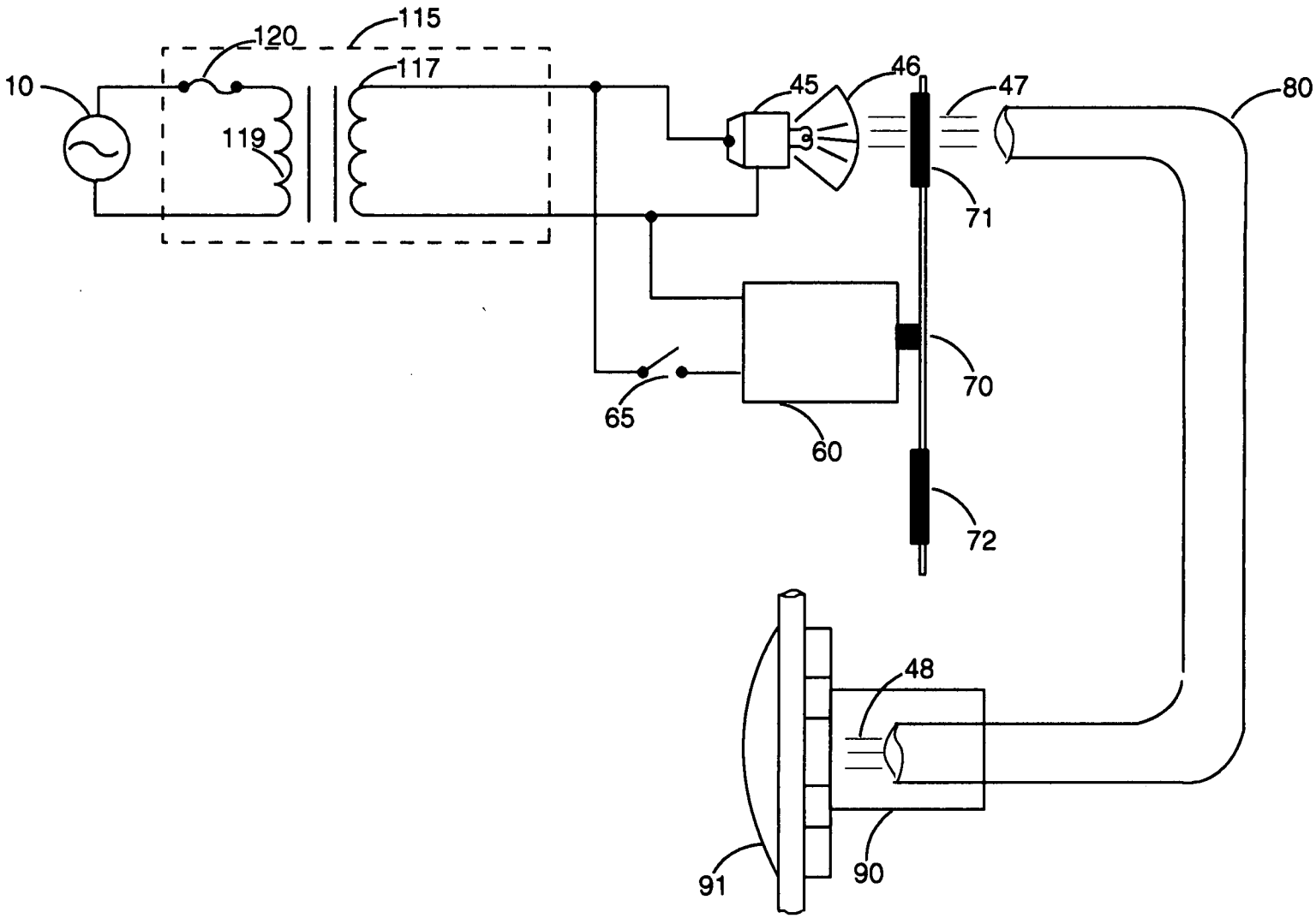


Figure 3

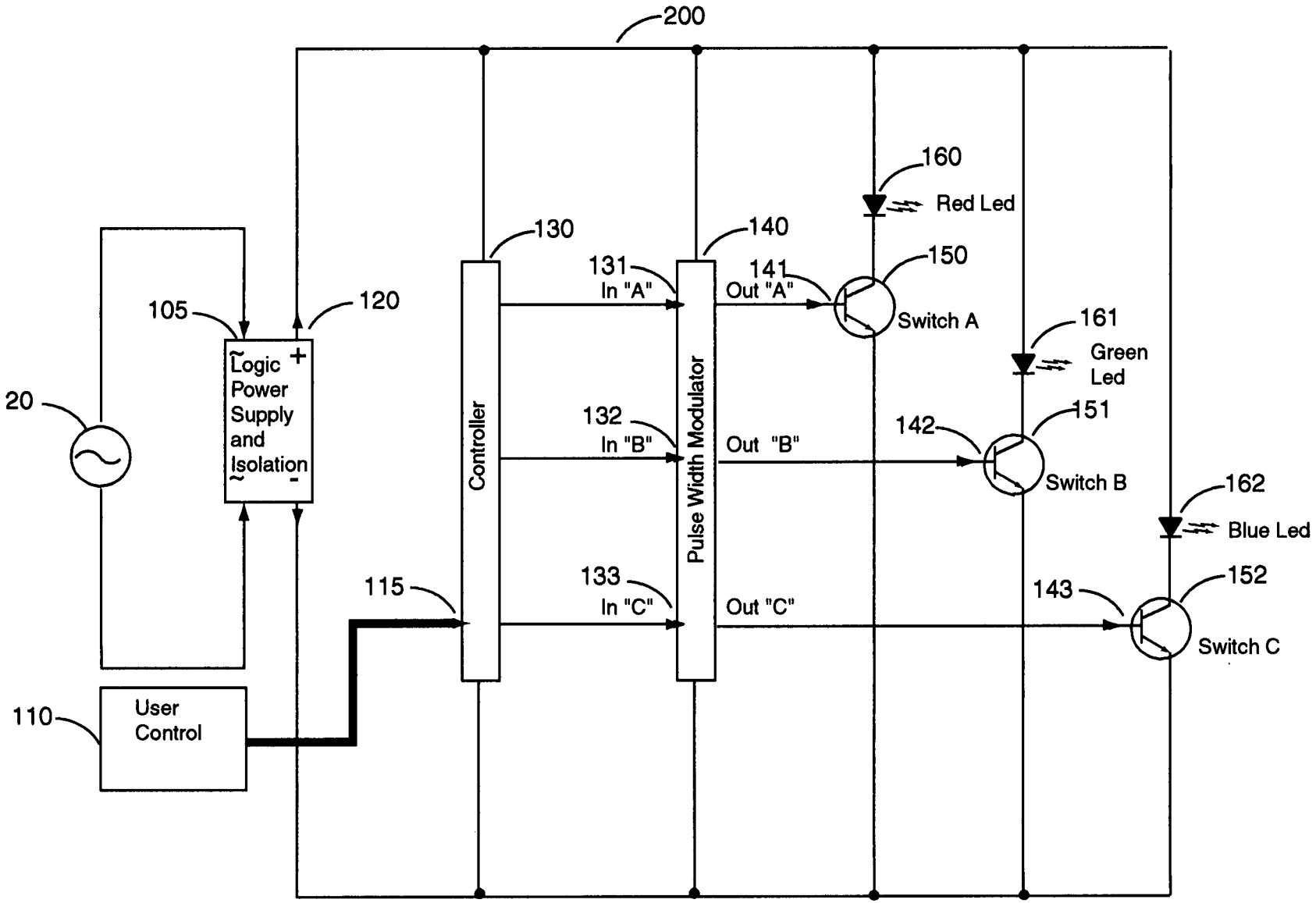

200
160
Red Led
130
140
131
In "A"
141
Out "A"
150
Switch A
105
120
161
Green
Led
Logic
Power
Supply
and
Isolation
20
132
In "B"
Out "B"
142
151
Switch B
Controller
Pulse Width Modulator
162
Blue Led
115
133
In "C"
Out "C"
143
152
Switch C
110
User
Control

Figure 4 Prior Art

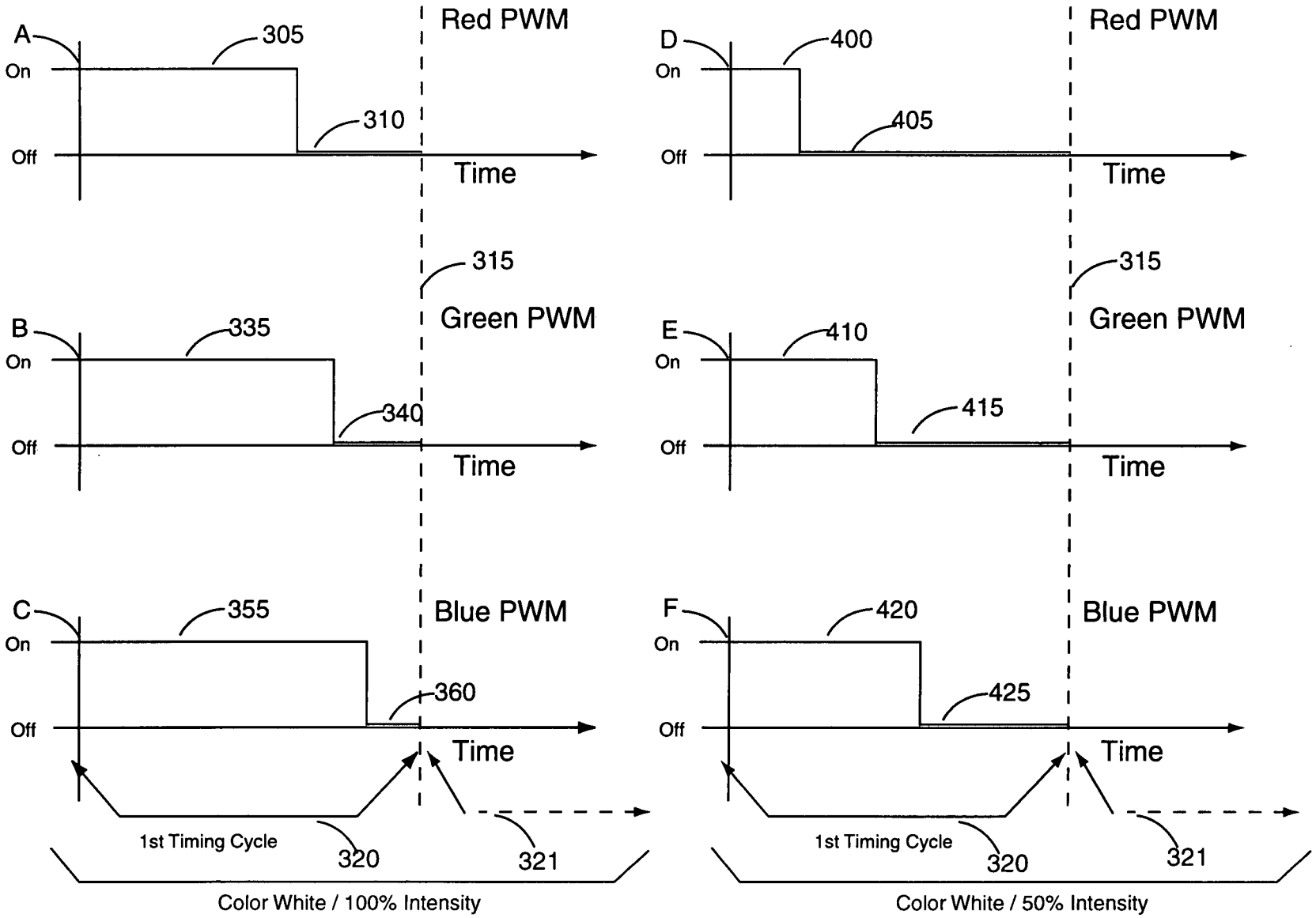


Figure 5

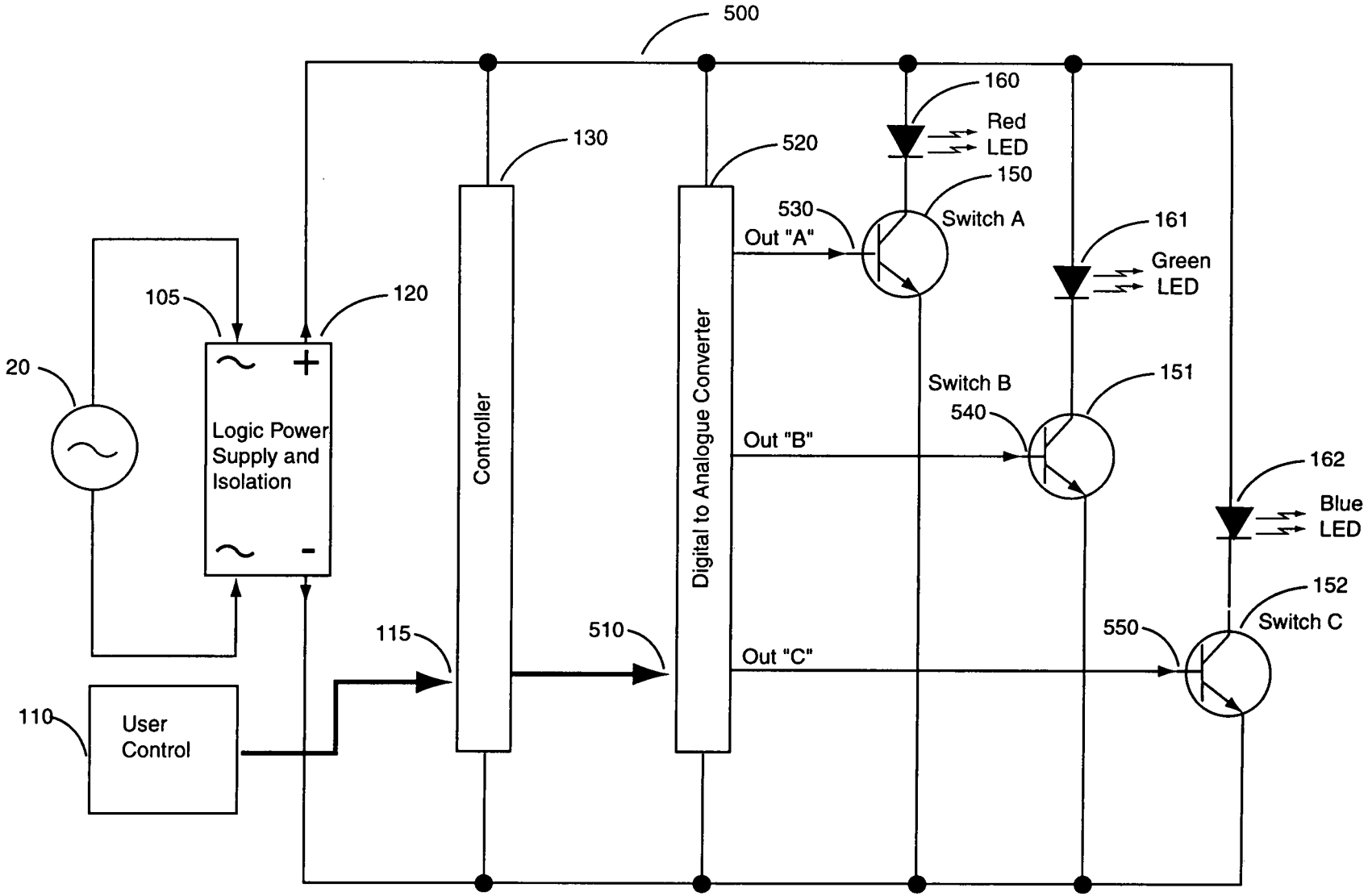
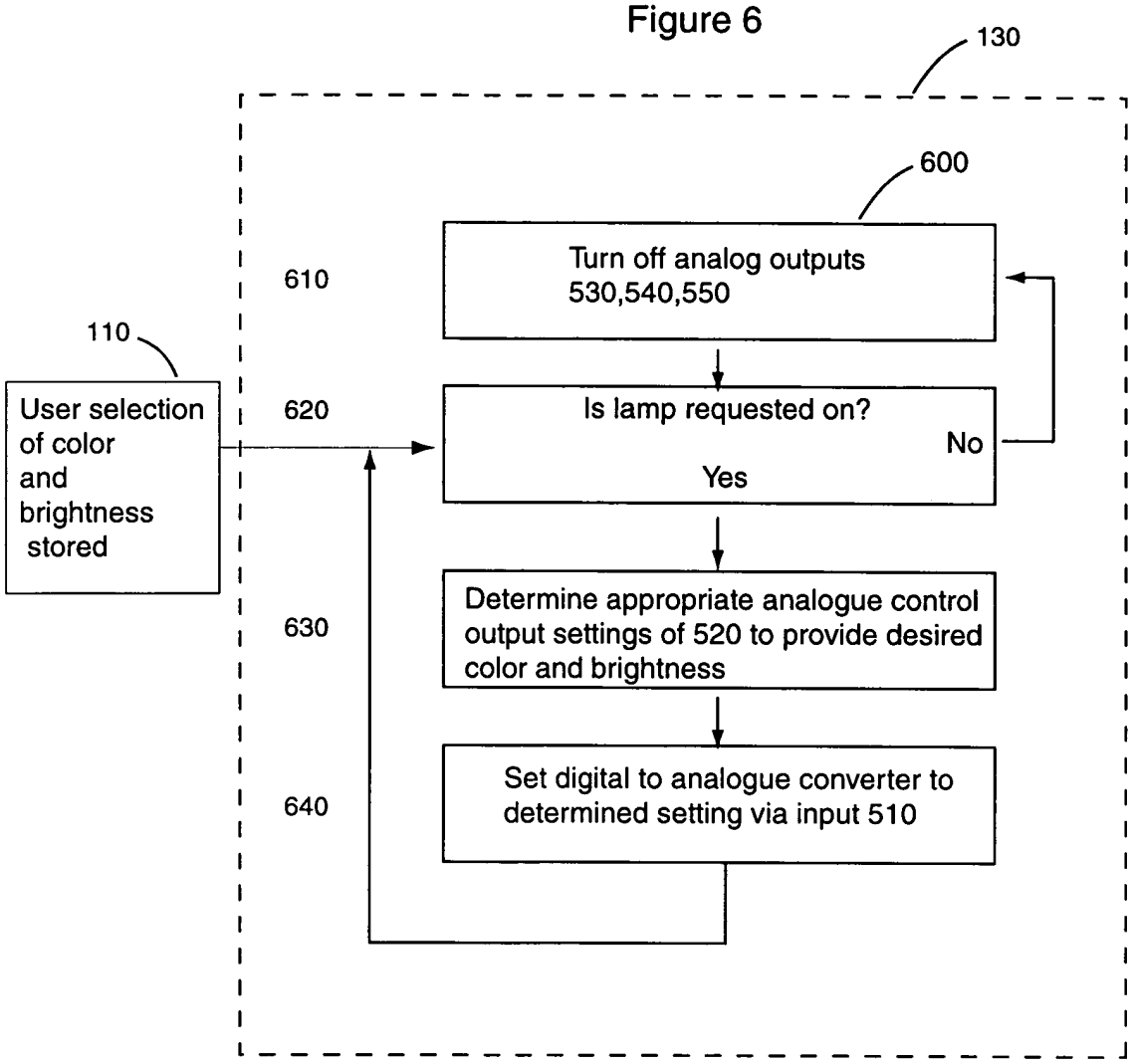

500
160
Red
LED
130
520
150
530
Switch A
Out "A"
161
Green
LED
105
120
20
Logic Power
Supply and
Isolation
Controller
Digital to Analogue Converter
Switch B
151
540
Out "B"
162
Blue
LED
152
Switch C
550
115
510
Out "C"
110
User
Control

Figure 6


130
600
610
Turn off analog outputs 530,540,550
110
User selection of color and brightness stored
620
Is lamp requested on?
No
Yes
630
Determine appropriate analogue control output settings of 520 to provide desired color and brightness
640
Set digital to analogue converter to determined setting via input 510